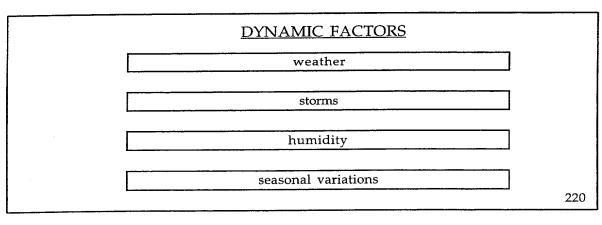


FIG. 1

<u>REGIONAL FACTORS</u>	
terrain including mountains, hills and trees	
signal reflections off buildings or other structures	
EMF interface	
microwave interference	
radio frequency interference	
mixing (channel overlap or frequency separation) of an interfering signal the desired signal resulting in intermodulation and added noise	with



RETRANSMISSION FACTORS from transmitter to transmitter to set-top box from transmitter to satellite to terrestrial set-top box from transmitter to satellite to transmitter to set-top box 240

Error Correction Policy Application

controls and optimizes bandwidth and Quality of Service (QOS) of a given broadcast based on regional factors including terrain, dynamic factors including weather and season, and retransmission factors

compares the transmitted data errors to at least one of a predetermined tolerable transmitted data error level and a predetermined tolerable transmitted data error level for a predetermined time period

utilizes error correction coding and error detection coding

utilizes Forward Error Correction (FEC)

dynamically adjusts error correction levels

utilizes convolutional (tree) codes and block codes

measures bit error rates in terms of quantity of bit errors occurring over some unit of time

no other error analysis input is required for error correction other than error reporting by the set-top box

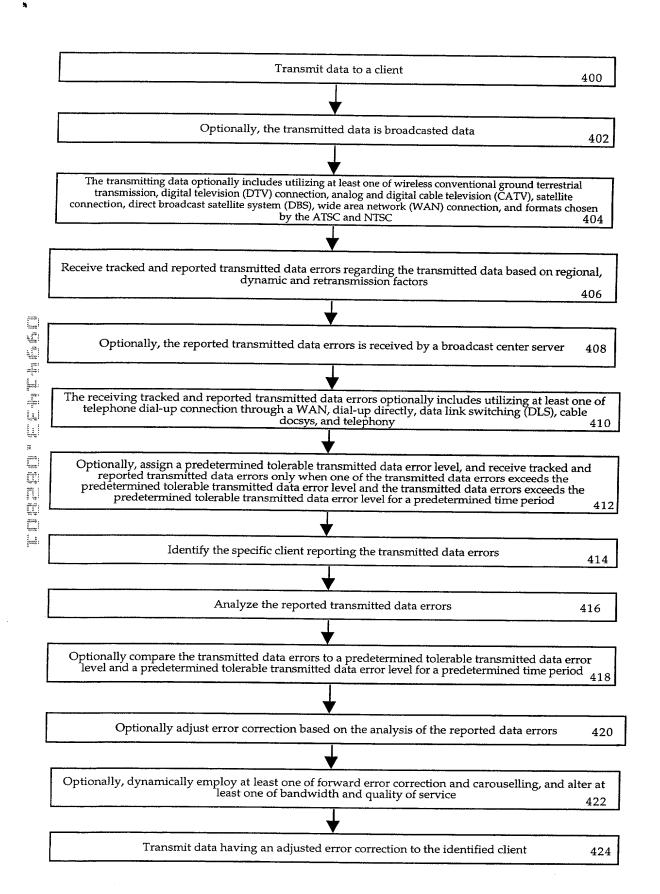


FIG. 4

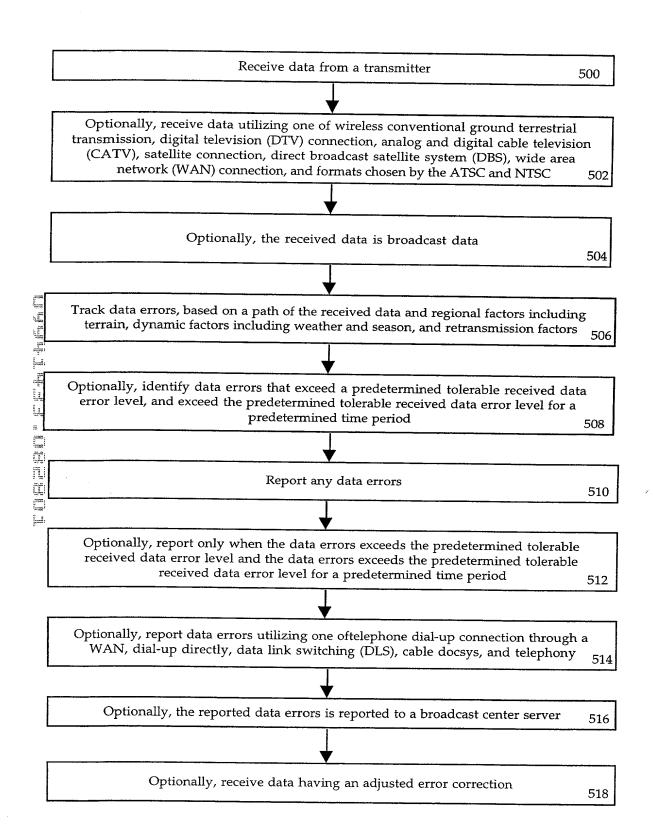


FIG. 5